



APPLICATION FOR A COASTAL ZONE ACT PERMIT

**State of Delaware
Department of Natural Resources & Environmental Control
Office of the Secretary**

*Revised
February 19, 2009*

New Aggregate Crusher

**Grantham Lane Associates, LLC
761 Grantham Lane
New Castle, DE 19720**

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Permit Application Instructions

1. Complete all parts of the application. For sections which are not applicable to your project, do not leave blank; present a statement that clearly states why the section is not applicable to your project.
2. Because all applicants' projects are different, this word document template will provide you flexibility for needed space to answer the questions. Please insert additional lines for text where needed for your application. If appropriate, attach extra pages referencing each answer by the corresponding section and question number.
3. Submit eight complete hard copies of the permit application to:

Office of the Secretary
Department of Natural Resources & Environmental Control
State of Delaware
89 Kings Highway
Dover, DE 19901

In addition to the eight hard copies, submit a complete electronic "pdf" copy of the permit application on cd-rom.

4. Comply, if required, or as requested by the DNREC Secretary, with 7 Delaware Code, Chapter 79, Section 7902. If requested, but not completed, your application will not be considered administratively complete until this form is reviewed.
5. Be sure to include your permit application fee of \$3,000; otherwise the application will not be considered administratively complete. Make checks payable to the "State of Delaware."
6. Be advised that the application for a Delaware Coastal Zone Act Permit is a public document, which may be displayed at DNREC offices, public libraries, and the web, among others. If this application requires you to place confidential information or data in the application to make it administratively complete, note the Delaware Freedom of Information Act (29 Delaware Code, Chapter 100) and DNREC's Freedom of Information Act Regulation, Section 6 (Requests for Confidentiality), for the proper procedure in requesting confidentiality.

Note: This application template was last revised by DNREC on November 26, 2007. Please discard any previous versions.

PART 1

CERTIFICATION BY APPLICANT

Under the penalty of perjury pursuant to 11 Delaware Code §1221-1235, I hereby certify that all the information contained in this Delaware Coastal Zone Act Permit Application and in any attachments is true and complete to the best of my belief.

I hereby acknowledge that any falsification or withholding of information will be grounds for denial of a Coastal Zone Permit.

I also hereby acknowledge that all information in this application will be public information subject to the Delaware Freedom of Information Act, except for clearly identified proprietary information agreed to by the Secretary of the Department of Natural Resources & Environmental Control.

Michael Cirillo

Print Name of Applicant

Signature of Applicant

President

Title

Date

8-4-08

PART 2

APPLICANT INFORMATION AND SITE IDENTIFICATION

2.1 Identification of the applicant:

Company Name: **Grantham Lane Associates, LLC**
Address: **761 Grantham Lane, New Castle, DE 19720**
Telephone: **302-998-8486**
Fax: **302-998-9208**

2.2 Primary contact: Please list the name, phone number and email of a preferred contact within your company in case the DNREC needs to contact you regarding this permit application.

Michael Cirillo, President

2.3 Authorized agent (if any):

Name: **Compliance Plus Services, Inc.**
Address: **P.O. Box 186, Hatboro, PA 19040**
Telephone: **215-734-1414**
Fax: **215-734-1424**

If you have an authorized agent for this permit application process, provide written authorization from client for being the authorized agent.

See Appendix 1

2.4 Project property location (street address):

Property is located across from 761 Grantham Lane, New Castle, DE 19720

2.5 In a separate attachment, provide a general map of appropriate scale to clearly show the project site.

See Appendix 2

2.6 Is the applicant claiming confidentiality in any section of their application?
YES

NO

If yes, see instructions on page 3.

PART 3

PROJECT SUMMARY

Provide a one-page summary describing the proposed project. Include a brief quantitative description of the anticipated environmental impacts, and how the Environmental Offset Proposal will “clearly and demonstrably” more than offset any negative impacts.

The proposed project includes installation of an aggregate crusher at the property located on Tax Parcel Number 10-035.00-005 in New Castle County. The location is across from Cirillo Bros., Inc., 761 Grantham Lane, New Castle, DE. The site has recently received major land development plan approval from New Castle County, DE.

Cirillo Bros., Inc. is an affiliated company of Grantham Lane Associates, LLC. Cirillo Bros., Inc. is a Delaware corporation whose primary business is construction contracting focusing on civil projects. The scope of the construction work performed by Cirillo Bros., Inc. includes, among other things, site work including demolition and excavation of existing structures and/or roadways. A significant portion of Cirillo Bros.’ current workload is Delaware Department of Transportation (DELDOT) Community Transportation Needs (“CTN”) Program in New Castle County. The CTN work consists of removing and replacing concrete sidewalks, curbs and gutters. The demolition debris from the CTN work and other projects is currently brought to the site where it has been temporarily stored. The scope of work of the construction projects also involves installation of new structures and roadways involving placement of aggregates for foundations and sub-bases. The applicant is proposing to install the crusher at this location which will allow them to recycle the demolition debris into useful products (aggregates) for use on either the project where the demolition/reconstruction is occurring or on other similar construction projects requiring aggregate(s). This operation will allow them to better compete in the construction market by reducing overall costs and recycling demolition debris into suitable construction materials.

The expected environmental impacts of the crusher operation include increased air emissions from the operation of the equipment.

The proposed Offset Plan involves several items including:

- **Planting of 200 native species trees on-site**
- **conversion of a heating plant for one of the buildings at the site (from fuel oil to propane)**
- **a one-time financial contribution of \$2,500.00 to a local school district to assist in a hot water heater replacement project**
- **removing a solid waste stream from Delaware’s solid waste management system**

- **Extending the life of Delaware's landfills, thereby deferring the environmental impacts of construction and operation of newly permitted landfill space**

PART 4

PROJECT PROPERTY RECORD AND EVIDENCE OF LOCAL ZONING AND PLANNING APPROVAL

PROJECT PROPERTY RECORD

- 4.1 Name and address of project premises owner(s) of record:

**Grantham Lane Associates, LLC.
c/o Mike Cirillo
761 Grantham Lane
New Castle, DE 19720**

- 4.2 Name and address of project premises equitable owner(s):

Not applicable.

- 4.3 Name and address of lessee(s):

Not applicable.

- 4.4 Is the project premises under option by permit applicant?

Not applicable.

- 4.5 What is the present zoning of the land for this entire project site?

Property is currently zoned Industrial (I).

EVIDENCE OF LOCAL ZONING AND PLANNING APPROVAL

I, _____, for _____
(Name of County, City of Town)

do hereby affirm that the project proposed by _____
(Name of Applicant)

located at _____, in
(Address)

the _____ zoning district is in
full compliance with the zoning code as it applies to this project.

The above named applicant's project is in compliance with the adopted comprehensive development plan for the geographic area within which the project will be located.

(Signature)

(Title)

(Date)

This part is essential for a complete Coastal Zone Act Permit Application. No application will be considered administratively complete without it. While the applicant is strongly advised to use this form, the local zoning jurisdiction may utilize a different form or document to demonstrate "evidence of local zoning approval," provided such documents are signed and dated by the proper official.

See Appendix 3

PART 5

PROJECT OPERATIONS

- 5.1 Describe the characteristics of the manufactured product and all the process and/or assembly operations utilized by the proposed project. Include in the description (use attachments if necessary):

- a. the raw materials, intermediate products, by-products and final products and characteristics of each. Review any materials' risk of carcinogenicity, toxicity, mutagenicity and/or the potential to contribute to the formation of smog. Provide material safety data sheets (MSDS) if available;

The proposed crusher operations will utilize construction/demolition debris from Cirillo Bros. Inc.'s construction contracting work on civil projects. The debris consists primarily of demolished concrete sidewalks, curbs and gutters plus demolished asphalt pavement materials.

The proposed crusher operations will produce construction aggregates which will be used as foundation or base materials on similar construction projects.

- b. the step-by-step procedures or processes for manufacturing and/or assembling the product(s). Provide a flow diagram to illustrate procedures;

The materials (construction/demolition debris) to be utilized in the crusher operations will be brought to the site by Cirillo Bros. Inc. and/or subcontracted firms as part of the demolition work on selected projects. They will be stockpiled on-site until sufficient amounts are available to efficiently use the aggregate crusher. The operations will be limited to 1000 hours/year.

- c. the nature of the materials mentioned above in 4.1(a) as to whether or not the materials require special means of storage or handling;

No special handling of the materials is required.

- d. list the machinery (new and/or existing) to be utilized by this project;

The proposed crusher operation will utilize an Eagle crusher powered with an electric motor.

- e. list any new buildings or other facilities to be utilized;

No new buildings are planned for the proposed operations.

- f. list the size and contents of any anticipated aboveground or underground storage tank systems that may be constructed or utilized in support of facility operations;

There are no new aboveground or underground storage tank systems proposed.

- g. if this project represents an increase or decrease in production at an already existing facility, what will be the new rate of maximum production?

Not Applicable

- h. if this project represents a totally new facility at a new or existing site, what will be the maximum production rate?

Production rate will be dependent on the scheduling of projects which produce the materials needed to be crushed. Annual throughput will not exceed 100,000 tons of materials. Maximum daily hours is 9.5 hours/day.

- 5.2 Describe daily hours of plant operations and the number of operating shifts.

Normal operating hours for the crusher operations are Monday – Friday 7:30 AM to 5:00 PM.

- 5.3 Provide a site plan of this project with: **See Appendix 4**

- a. a north arrow;
- b. a scale of not less than one inch to 200 feet;
- c. identity of the person responsible for the plan, including any licenses and their numbers;
- d. the acreage of the applicant's entire property and acreage of the proposed project;
- e. property lines of entire property;

- f. lines designating the proposed project area for which application is being made, clearly distinguished from present facilities and operating areas (if any);
- g. existing and proposed roads, railroads, parking and loading areas, piers, wharfs, and other transportation facilities;
- h. existing water bodies and wetlands and proposed dredge and fill areas, and;
- i. existing and proposed drainage ways, gas, electric, sewer, water, roads, and other rights-of-way.

5.4 How many acres of land in total are required for this proposed project?

Existing/ currently utilized/ developed land: 30.80 acres.

New land: -0- acres.

5.5 Has the property been involved with a state or federal site cleanup program such as Superfund, Brownfields, HSCA Voluntary Cleanup Program, RCRA Corrective Action, Aboveground or Underground Storage Tank Cleanup Programs? If so please specify which program.

Site is adjacent to Delaware Sand & Gravel Superfund site. Site is entered into the HSCA Voluntary Cleanup Program.

5.6 With regards to environmental cleanup actions, has a Uniform Environmental Covenant, Final Plan of Remedial Action, or no further action letter been issued by the Department? If so are the planned construction activities consistent with the requirements or conditions stated in these documents?

No action letter has been issued. The planned activities are consistent since the only restriction is that no on-site wells are permitted.

PART 6A

ENVIRONMENTAL IMPACTS

Air Quality

- 6.1 Describe project emissions (new, as well as any increase or decrease over current emissions) by type and amount under maximum operating conditions:

Pollutant	Existing Emissions		Net Increase/Decrease		New Total Emissions		Percent Change (compare tons/year)
	<i>Lbs/hour</i>	<i>Tons/year</i>	<i>Lbs/hour</i>	<i>Tons/year</i>	<i>Lbs/hour</i>	<i>Tons/year</i>	
PM	0	0	0.54	0.07	0.54	0.07	

Emissions are expected from the Eagle crusher operating at 1000 hours per year using water spray technology. Controlled emissions are based on the use of a water spray technology, installed by the manufacturer, to the crusher to wet the material in order to suppress the emissions of PM. Equipment information is provided in Appendix 5. Since the crusher is powered by an electric motor, the only emissions consist of particulate matter from the actual crushing of the material.

The methodology used to estimate emissions is detailed on spreadsheets attached to this application. Generally, however, the following assumptions were used:

- Annual throughput of material will not exceed 100,000 tons. Daily operations may be intermittent as they are dependent on other factors including scheduling of projects which produce the materials needed to be crushed.
- Maximum daily hours is 9.5 hours per day.

(Please note that mobile equipment (i.e. loaders, forklifts, tractors, etc.) will be utilized at the site for material movement and loading/unloading operations. These mobile units are typically in use at numerous existing operations within the coastal zone and are not included in this analysis as unique to the process.)

- 6.2 Describe how the above emissions change in the event of a mechanical malfunction or human error.

The equipment proposed for the aggregate facility will be maintained in accordance with manufacturer's recommendations. When properly maintained, these units have an excellent history of providing consistent performance, particularly in this type of service, with a low incidence of failure.

In the event of mechanical malfunction or human error, the unit will be shut down immediately. Upon shutdown, the emissions will cease.

- 6.3 Describe any pollution control measures to be utilized to control emissions to the levels cited above in 5.1.

Emissions will be controlled by limiting the number of operating hours of the equipment. Other measures will be taken including wetting of the storage piles and adjacent areas.

- 6.4 Show evidence that applicant has, or will have, the ability to maintain and utilize this equipment listed in 5.3 in a consistently proper and efficient manner. (For example, provide college transcripts and/or records of training courses and summary of experience with this pollution control equipment of person(s) responsible for pollution control equipment, and/or provide copies of contracts with pollution control firms to be responsible for maintaining and utilizing this equipment.)

During start-up, equipment operators will be trained by current supervisory staff or the vendors furnishing the individual pieces of equipment. The training courses will comply with the recommendations of the equipment manufacturers as to course content, duration and frequencies. Training documentation will be maintained on site.

New hires will undergo appropriate training to insure proper operation of the plant equipment.

Water Quality

- 6.5 Describe wastewater discharge (new, as well as any increase or decrease over current discharge levels) due to project operations: **Not applicable**
- 6.6 Describe the current method of employee sanitary wastewater disposal and any proposed changes to that system due to this proposed project.

Sanitary facilities for employees are located in the existing building on site. No proposed changes are planned to the current sanitary facilities as a result of this project.

- 6.7 Identify the number, location, and name of receiving water outfall(s) of any and all process wastewater discharge (new or current) affected by this proposed project. Provide NPDES Permit Numbers for each discharge affected.

Not applicable. No process wastewater will be generated by this project.

- 6.8 If any effluent is discharged into a public sewer system, is there any pretreatment program? If so, describe the program.

Not applicable. No effluent will be discharged by this project.

- 6.9 Stormwater:

- a. Identify the number, location, and name of receiving waters of stormwater discharges. Provide permit number for each discharge.
- b. Describe the sources of stormwater run-off (roofs, storage piles, parking lots, etc).
- c. Describe the amount of stormwater run-off increase over current levels that will result from the proposed project.
- d. Describe any pollutants likely to be in the stormwater.
- e. Describe any pollution control device(s) or management technique(s) to be used to reduce the amount of stormwater generated, and devices to improve the quality of the stormwater run-off prior to discharge.
- f. Describe any new or improved stormwater drainage system required to safely carry off stormwater without flooding project site or neighboring areas down gradient.

The site has recently received Major Land Development Plan approval from New Castle County (reference Record Major Land Development Plan of Grantham Lane Industrial Park (File 20071024-0092910 Filed 10-24-07 T20070060828)). The site currently has a stormwater detention basin designed as part of the industrial park development plan. Site drainage improvements for the industrial park (consisting of ten new warehouse buildings in addition to the two buildings currently on site) are in place. No new storm drainage improvements are proposed as part of this plan.

- 6.10 Will this project use a new water intake device, or increase the use (flow) from an existing intake device?

YES

NO

If yes, state:

- a. the volume of water to be withdrawn, and;
- b. describe what will be done to prevent entrainment and/or entrapment of aquatic life by the intake device.

- 6.11 Will this proposed project result in a thermal discharge of water, or an increase in the flow or temperature of a current thermal discharge?

YES

NO

If yes, state:

- a. the volume of the new flow or increase from the existing thermal discharge, both in flow and amount of heat;
- b. how warm will the water be when it is discharged into a receiving waterway, discharge canal, or ditch, and what will be the difference in discharge temperature and ambient temperature (delta T) at various seasons of the year after all cooling water mechanisms have been applied to the hot water?
- c. the equipment and/or management techniques that will be used to reduce the thermal load of the discharge water.

- 6.12 Will any proposed new discharge or change in existing discharge cause, or have potential to cause, or contribute to, the exceedence of applicable criteria appearing in the “State of Delaware Surface Water Quality Standards”?

YES

NO

If yes, explain:

- 6.13 Describe any oils discharged to surface waters due to this proposed project.

The receiving/recycling of materials at the facility will not generate any oils. Therefore, no oils will be discharged to surface waters for the proposed project.

- 6.14 Describe any settleable or floating solid wastes discharged to surface waters due to this project.

Not applicable. There will be no settleable or floating solid wastes discharged to surface waters.

- 6.15 Show evidence that the applicant has, or will have, the ability to maintain and utilize any water pollution control equipment listed in questions 5.5 through 5.14 in a consistently proper and efficient manner. (For example, provide operator license numbers, college transcripts and/or training courses and summary of prior experience with this pollution control equipment of person(s) responsible for pollution control equipment, and/or provide copies of contracts with pollution control firms.)

Not applicable.

- 6.16 Estimate the amount of water to be used for each specified purpose including cooling water. State daily and maximum water use in the unit of gallons per day for each purpose and source of water. State if water use will vary with the seasons, time of day, or other factors.

The crusher will require water for dust control. Normal usage is 3 – 5 gallons per minute during operations. Normal daily operations (9.5 hours) results in a maximum usage of 2850 gallons per day (570 minutes @ 5 gallons/minute). Operations will be limited to 1000 hours per year.

- 6.17 Identify the source of water needed for the proposed project, including potable water supplies.

The crusher may require water for dust control. Water will be supplied to the unit by means of hoses from existing outlets while the crusher is in operation. Source of water will be the municipal water system already in place on the site.

6.18 Are wells going to be used?
YES

NO

If yes:

- a. Identify the aquifer to be pumped and the depth, size and pumping capacity of the wells.
- b. Has a permit been applied for to do this?
- c. How close is the proposed well(s) to any well(s) on adjacent lands?

Solid Waste

6.19 Will this project result in the generation of any solid waste?

YES

☒ NO

If yes, describe each type and volume of any solid waste (including biowastes) generated by this project, and the means used to transport, store, and dispose of the waste(s).

6.20 Will there be any on-site recycling, re-use, or reclamation of solid wastes generated by this project?

YES

☒ NO

If yes, describe:

6.21 Will any waste material generated by this project be destroyed on-site?

YES

☒ NO

If yes, how will that be done?

Hazardous Waste

- 6.22 Will this proposed project result in the generation of any hazardous waste as defined by the “Delaware Regulations Governing Hazardous Waste”?

YES

☒ NO

If yes, identify each hazardous waste, its amount, and how it is generated:

- 6.23 Describe the transport of any hazardous waste and list the permitted hazardous waste haulers that will be utilized.

Not applicable.

- 6.24 Will the proposed project cause the applicant to store, treat, and/or dispose of hazardous waste?

YES

☒ NO

If yes, describe:

- 6.25 Does the applicant currently generate any hazardous waste at this site?

YES

☒ NO

If yes, describe:

Habitat Protection

- 6.26 What is the current use of the land that is to be used for the proposed project?

The property is currently part of the Grantham Lane Industrial Park. Of the twelve buildings and one structure approved as part of the Land Development Plan, two buildings are currently in place and another is under construction.

The site currently has two large piles of unprocessed materials (concrete and asphalt) awaiting processing.

- 6.27 Will the proposed project result in the loss of any wetland habitat?
YES

☒ NO

If yes, describe:

- 6.28 Will any wastewater and/or stormwater be discharged into a wetland?
YES

☒ NO

If yes, will the discharge water be of the same salinity as the receiving wetlands?

- 6.29 Will the proposed project result in the loss of any undisturbed natural habitat or public use of tidal waters?
YES

☒ NO

If yes, how many acres?

- 6.30 Do threatened or endangered species (as defined by the DNREC and/or the Federal Endangered Species Act) exist at the site of the proposed project, or immediately adjacent to it?
YES

☒ NO

If yes, list each species:

- 6.31 Will this proposed project have any effect on these threatened or endangered species (as defined by the DNREC and/or the Federal Endangered Species Act).
YES

NO

If yes, explain:

- 6.32 What assurances can be made that no threatened or endangered species exist on the proposed project site?

DNREC's Natural Heritage and Endangered Species Program's letter of February 1, 2008 indicates that there may be records of a state-rare butterfly in the vicinity but it is unknown if it occurs within the project area. The recommendations provided in the above referenced letter will be followed by Cirillo Bros. during its aggregate crusher operations at the site. A copy of the letter is provided in Appendix 6.

- 6.33 Describe any filling, dredging, or draining that may affect nearby wetlands or waterways.

There will be no filling, dredging or draining.

- 6.34 If dredging is proposed, how much will occur and where will the dredged materials go for disposal?

There will be no dredging as part of this project.

Other Environmental Effects

- 6.35 Describe any noticeable effects of the proposed project site including: heat, glare, noise, vibration, radiation, electromagnetic interference, odors, and other effects.

The facility will not produce any heat, glare, radiation or electromagnetic interference.

The process equipment and the site operations in general will comply with the State of Delaware Regulations Governing the Control of Noise. Noise levels at the property line will comply with current regulations. Trees currently in place or to be installed will provide a buffer to adjoining properties.

The types of unprocessed materials brought to the site to be crushed do not normally contain bio-degradable materials which would result in unacceptable

odors. There have been no odor complaints due to the currently stored materials on site.

The facility will control fugitive dust resulting from operations through the application of water via spray systems. Access roads into the operational area are paved which will control dust from truck and equipment movements.

- 6.36 Describe what will be done to minimize and monitor such effects.

See 6.35 above

- 6.37 Describe any effect this proposed project will have on public access to tidal waters.

The project will have no effect on public access to tidal waters.

- 6.38 Provide a thorough scenario of the proposed project's potential to pollute should a major equipment malfunction or human error occur, including a description of backup controls, backup power, and safety provisions planned for this project to minimize any such accidents.

Due to the nature of the proposed crushing operation, any major mechanical malfunction or human error would not result in a potential to pollute. If the crusher were to malfunction, it would generally result in a shutdown of the process.

- 6.39 Describe how the air, water, solid and hazardous waste streams, emissions, or discharge change in the event of a major mechanical malfunction or human error.

Any malfunction of the crusher equipment would generally result in a shutdown of the process. Therefore, it is anticipated that there will be no additional effect on air, water, solid and hazardous waste streams emissions or discharge.

PART 6B

ENVIRONMENTAL OFFSET PROPOSAL REDUCTION CLAIM

Is applicant claiming the right to have a reduced offset proposal due to past voluntary improvements as defined in the “Regulations Governing Delaware’s Coastal Zone”?

YES

☒ NO

If yes, provide an attachment to the application presenting sufficient tangible documentation to support your claim.

PART 6C

ENVIRONMENTAL OFFSET PROPOSAL

If the applicant or the Department finds that an Environmental Offset Proposal is required, the proposed offset project shall include all the information needed to clearly establish:

- A. A qualitative and quantitative description of how the offset project will “*clearly and demonstrably*” more than offset the negative impacts from the proposed project.
- B. How and in what period of time the offset project will be carried out.
- C. What the environmental benefits will be and when they will be achieved.
- D. What scientific evidence there is concerning the efficacy of the offset project in producing its intended results.
- E. How the success or failure of the offset project will be measured in both the short and long term.
- F. What, if any, negative impacts are associated with the offset project.
- G. How the offset will impact the attainment of the Department’s environmental goals for the Coastal Zone and the environmental indicators used to assess long-term environmental quality within the Coastal Zone.

Additional Offset Proposal Information for the Applicant

1. The offset proposals must “*clearly and demonstrably*”¹ more than offset any new pollution from the applicant’s proposed project. The applicant can claim (with documentation) evidence of past voluntary environmental investments (as defined in the Regulations) implemented prior to the time of application. Where the Department concurs with the applicant that such has occurred, the positive environmental improvement of the offset proposal against the new negative impact can be somewhat reduced.
2. The applicant must complete the Coastal Zone Environmental Impact Offset Matrix. This matrix can be found on the CZA web page (<http://www.dnrec.delaware.gov/Admin/CZA/CZAHome.htm>), or by clicking on [this link](#). On page one, the applicant must list all environmental impacts in the column labeled “Describe Environmental Impacts.” In the column to the immediate right, the applicant should reference the page number of the application or attachment which documents each impact listed. In the “Describe Environmental Offset Proposal” column, applicant must state what action is offsetting the impact. The offset action shall be referenced by page number in the column to the right to show how the offset will work. The applicant shall not utilize the far right column. *Please ensure the matrix is complete, detailed, and as specific as possible, given the allotted space. Also, thoroughly proof-read to ensure there are no spelling or grammatical errors.* The applicant must submit a completed matrix both in hardcopy and electronic form.
3. Please note: the entire offset proposal, including the matrix, shall be available to the public, as well as the evidence of past voluntary environmental enhancements.

See Proposed Offset Plan for Aggregate Crusher Facility (Appendix 7)

¹ For purposes of this requirement, the DNREC will interpret the phrase “clearly and demonstrably” to mean an offset proposal that is obviously so beneficial without detailed technical argument or debate. The positive environmental benefits must be obviously more beneficial to the environment than the new pollution that minimal technical review is required by the Department and the public to confirm such. The total project must have a positive environmental impact. The burden of proof is on the applicant.

PART 7
ECONOMIC EFFECTS

Construction

- 7.1 Estimate the total number of workers for project construction and the number to be hired in Delaware.

The site currently contains two large piles of unprocessed materials (concrete and asphalt). Once the CZA permit is obtained, the crusher will be brought to the site, set up and operations started. No construction work is necessary prior to the start of operations.

- 7.2 Estimate the weekly construction payroll.

Not applicable

- 7.3 Estimate the value of construction supplies and services to be purchased in Delaware.

Not applicable

- 7.4 State the expected dates of construction initiation and completion.

Not applicable

- 7.5 Estimate the economic impact from the loss of natural habitat, or any adverse economic effects from degraded water or air quality from the project on individuals who are directly or indirectly dependent on that habitat or air or water quality (e.g. commercial fishermen, waterfowl guides, trappers, fishing guides, charter or head boat operators, and bait and tackle dealers).

Not applicable

Operations

- 7.6 State the number of new employees to be hired as a direct result of this proposed project and how many of them will be existing Delaware residents and how many will be transferred in from other states.

The proposed project will not result in the hiring of new personnel. Due to the intermittent nature of the proposed activity, Cirillo Bros. will utilize current employees to operate the aggregate crusher.

- 7.7 If employment attributable to the proposed project will vary on a seasonal or periodic basis, explain the variation and estimate the number of employees involved.

Employment will be on site year-round. However, the source of the unprocessed materials (concrete and/or asphalt) is dependent on the number and scope of construction contracts performed by Cirillo Bros., Inc. The number of hours of operation is dependent of the amount of construction debris related to the construction contracts.

- 7.8 Estimate the percent distribution of annual wages and salaries (based on regular working hours) for employees attributable to this project:

<u>Wage/salary</u>	<u>Percent of employees</u>
<\$10,000	
\$10,000-14,999	
\$15,000-24,999	
\$25,000-34,999	
\$35,000-49,999	
\$50,000-64,999	
\$65,000-74,999	
\$75,000-99,999	
>\$100,000	

Not applicable

- 7.9 Estimate the annual taxes to be paid in Delaware attributable to this proposed project:

State personal income taxes:	\$
State corporate income taxes	\$
County and school district taxes:	\$
Municipal taxes:	\$

PART 8

SUPPORTING FACILITIES REQUIREMENTS

Describe the number and type of new supporting facilities and services that will be required as a result of the proposed project, including, but not limited to:

- a. Roads **None**
- b. Bridges **None**
- c. Piers and/or docks **None**
- d. Railroads **None**
- e. Microwave towers **None**
- f. Special fire protection services not now available **None**
- g. Traffic signals **None**
- h. Sewer expansion **None**
- i. Energy related facilities expansion **None**
- j. Pipelines **None**

PART 9

AESTHETIC EFFECTS

- 9.1 Describe whether the proposed project will be located on a site readily visible from a public road, residential area, public park, or other public meeting place (such as schools or cultural centers).

The proposed project site (aggregate crusher) will be located towards the rear of the property. Entrance to the site is from Grantham Lane but the equipment will not be readily visible from Grantham Lane.

- 9.2 Is the project site location within a half mile of a place of historic or scenic value?

The project site is not within a half of mile of any historic or scenic areas.

- 9.3 Describe any planned attempt to make the proposed facility aesthetically compatible with its neighboring land uses. Include schematic plans and/or drawings of the proposed project after it is complete, including any landscaping and screening.

A landscape plan associated with the Land Development Plan for Grantham Lane Industrial Park was approved as part of the approval process by New Castle County. The landscape plan was developed by Burcham & Associates (last dated July 5, 2007).

PART 10

EFFECTS ON NEIGHBORING LAND USES

- 10.1 How close is the nearest year-round residence to the site of this proposed project?

Year round residential property is located approximately 1000 feet to the east and 1200 feet to the south.

- 10.2 Will this proposed project interfere with the public's use of existing public or private recreational facilities or resources?

No.

- 10.3 Will the proposed project utilize or interfere with agricultural areas?

No.

- 10.4 Is there any possibility that the proposed project could interfere with a nearby existing business, commercial or manufacturing use?

No.

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END OF APPLICATION

ATTACHEMENTS TO FOLLOW